

4. (Amended) A sensing assembly comprising a commutator having:

- B2
- a. a shell,
  - b. an insulating core positioned adjacent the shell,
  - c. at least one magnet positioned adjacent and chemically-bonded to the core; and
  - d. a sensor.

22. (Amended) A method of manufacturing a commutator comprising:

- B3
- a. providing a shell;
  - b. providing a magnet;
  - b. positioning the magnet at least partially adjacent the shell; and
  - c. molding an electrically-insulative core in contact with the magnet and the shell, wherein the core chemically bonds with the magnet during molding.

B4

27. (Amended) The method of claim 22, wherein molding the core further comprises mechanically interlocking the core and the magnet.

Please add the following new claims:

B5

-- 30. (New) The commutator of claim 1, wherein the at least one magnet is a substantially continuous ring. --